

Amendments to the Claims:

Please cancel claims 1-12 as presented in the underlying International Application No. PCT/EP2003/008917.

Please add new claims 13-27 as indicated in the listing of claims below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-12 (cancelled)

Claim 13 (new): A bodywork part of a vehicle, comprising:

a carrier made of metal;

at least one thin-film solar cell disposed on the carrier;

a transparent cover layer covering the at least one thin-film solar cell and the carrier, wherein the carrier forms an electrode of the thin-film solar cell.

Claim 14 (new): The bodywork part as recited in claim 13, wherein the carrier made of steel.

Claim 15 (new): The bodywork part as recited in claim 13, wherein the transparent cover layer includes a coating layer.

Claim 16 (new): The bodywork part as recited in claim 15, wherein the coating layer includes a clearcoat.

Claim 17 (new): The bodywork part as recited in claim 13, wherein the thin-film solar cell includes at least one of a CIS-, a CIGS-, a CIGSS-, a CdTe- and a Si-based thin-film solar cell.

Claim 18 (new): The bodywork part as recited in claim 13, further comprising an intermediate layer disposed between the transparent cover layer and the thin-film solar cell.

Claim 19 (new): The bodywork part as recited in claim 18, wherein the intermediate layer includes at least one of CdS or ZnSe.

Claim 20 (new): The bodywork part as recited in claim 13, further comprising a layer made of Tefzel is disposed between the transparent cover layer and the thin-film solar cell.

Claim 21 (new): The bodywork part as recited in claim 13, further comprising upper electrodes formed using indium tin oxide and lower electrodes formed using at least one of copper, aluminum, steel, Kovar and molybdenum, the upper and lower electrodes serving as electrical contacts for the thin-film solar cell.

Claim 22 (new): The bodywork part as recited in claim 20, wherein a color layer is provided on a side of the thin-film solar cell assigned to the transparent cover layer.

Claim 23 (new): The bodywork part as recited in claim 22, wherein the color layer is formed by one of the transparent cover layer and the layer made of Tefzel.

Claim 24 (new): The bodywork part as recited in claim 13, wherein the carrier has a curved surface.

Claim 25 (new): The bodywork part as recited in claim 24, wherein the bodywork part is a part of one of a vehicle roof, a boot lid, a bonnet, a wing, a door and a bumper.

Claim 26 (new): A method for producing a bodywork part of a vehicle, the method comprising:
 providing a metallic carrier;
 applying at least one thin-film solar cell on the carrier;
 applying a transparent cover layer so as to cover the at least one thin-film solar cell and the carrier; and
 using the metallic carrier as an electrode of the thin-film solar cell.

Claim 27 (new): The method as recited in claim 26, wherein the transparent cover layer includes a clearcoat.